



# Urban Heat & Climate Change

CITYCLIM.EU

## cityCLIM Milestones – City Administration Service –

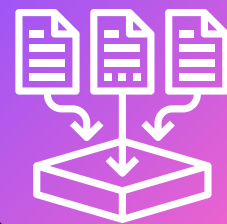


### Gathering relevant data

Building on existing services and frameworks, such as Copernicus including observational space-borne & air-borne data as well as ground stations

### Processing & Improvement

Building a Generic City Climate Platform that serves as one stop access point for all gathered data after data processing improvement and harmonisation



### Weather Model & Simulations

Creating high resolution forecast maps from the UltraHD 100m city weather model and derive warnings & local heat indices for exemplary days (e.g., "hot summer days")

### Insight & Mitigation

Work together with Pilot cities to jointly use UltraHD generated heat and air flow "profiles" to learn about vulnerabilities and subsequently generate mitigation strategies that address them in advance



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BIG DATA VALUE



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